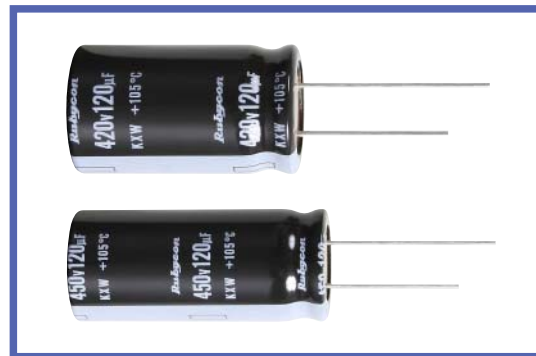




KXW SERIES

◆ **FEATURES**

- Load Life : 105°C 2000 hours.
- Body diameter of φ 10mm to φ 18mm with high ripple current capability.
- This series is one class smaller than the current AXW series.
- For switching adapter.
- RoHS compliance.



◆ **SPECIFICATIONS**

Items	Characteristics								
Category Temperature Range	-25 ~ +105°C								
Rated Voltage Range	200, 400, 420, 450V.DC								
Capacitance Tolerance	± 20%(20°C, 120Hz)								
Leakage Current(MAX)	$I = 3\sqrt{CV}$ (After 5 minutes application of rated voltage) I=Leakage Current(µA) C=Rated Capacitance(µF) V=Rated Voltage(V)								
Dissipation Factor(MAX) (tanδ)	<table border="1"> <thead> <tr> <th>Rated Voltage (V)</th> <th>200</th> <th>400</th> <th>420~450</th> </tr> </thead> <tbody> <tr> <td>tanδ</td> <td>0.12</td> <td>0.15</td> <td>0.20</td> </tr> </tbody> </table> (20°C, 120Hz)	Rated Voltage (V)	200	400	420~450	tanδ	0.12	0.15	0.20
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tanδ	0.12	0.15	0.20						
Endurance	After applying rated voltage with rated ripple current for 2000hrs at 105°C, the capacitors shall meet the following requirements. <table border="1"> <tbody> <tr> <td>Capacitance Change</td> <td>Within ± 20% of the initial value.</td> </tr> <tr> <td>Dissipation Factor</td> <td>Not more than 200% of the specified value.</td> </tr> <tr> <td>Leakage Current</td> <td>Not more than the specified value.</td> </tr> </tbody> </table>	Capacitance Change	Within ± 20% of the initial value.	Dissipation Factor	Not more than 200% of the specified value.	Leakage Current	Not more than the specified value.		
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Rated Voltage (V)	200	400~450							
Z(-25°C)/Z(20°C)	3	8							

◆ **MULTIPLIER FOR RIPPLE CURRENT**

Frequency coefficient

Frequency (Hz)		60(50)	120	500	1k	10k≤
Coefficient	200WV	0.8	1.0	1.20	1.30	1.40
	400~450WV	0.8	1.0	1.25	1.40	1.50

◆ **PART NUMBER**

□□□
KXW
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□
□□□
□□
DxL
 Rated Voltage Series Rated Capacitance Capacitance Tolerance Option Lead Forming Case Size



◆ DIMENSIONS

(mm)

φ D	10	12.5	14.5	16	18
φ d	0.6		0.8		
F	5.0		7.5		
α	2.0				

◆ STANDARD SIZE

Cap(μF)	WV φ D	200					400				
		φ 10	φ 12.5	φ 14.5	φ 16	φ 18	φ 10	φ 12.5	φ 14.5	φ 16	φ 18
27							10×30 : 0.24				
33							10×35 : 0.28				
39							10×40 : 0.32				
47								12.5×30 : 0.37			
56								12.5×35 : 0.42			
68								12.5×40 : 0.48	14.5×30 : 0.48		
82		10×30 : 0.40							14.5×35 : 0.52		
100		10×35 : 0.46							14.5×40 : 0.58	16×30 : 0.58	
120		10×40 : 0.53								16×35 : 0.67	18×30 : 0.67
150			12.5×30 : 0.62							16×40 : 0.77	18×35 : 0.77
180			12.5×35 : 0.70								18×40 : 0.88
220			12.5×40 : 0.80	14.5×30 : 0.80							18×45 : 1.00
270				14.5×35 : 0.87	16×30 : 0.87						
330					16×35 : 1.01	18×30 : 1.01					
390					16×40 : 1.13	18×35 : 1.13					
470						18×40 : 1.27					
560						18×45 : 1.39					

Cap(μF)	WV φ D	420					450				
		φ 10	φ 12.5	φ 14.5	φ 16	φ 18	φ 10	φ 12.5	φ 14.5	φ 16	φ 18
18							10×30 : 0.18				
22		10×30 : 0.20					10×35 : 0.21				
27		10×35 : 0.23					10×40 : 0.25				
33		10×40 : 0.27						12.5×30 : 0.28			
39			12.5×30 : 0.31					12.5×35 : 0.32			
47			12.5×35 : 0.36					12.5×40 : 0.38	14.5×30 : 0.38		
56			12.5×40 : 0.43	14.5×30 : 0.43					14.5×35 : 0.44	16×30 : 0.44	
68				14.5×35 : 0.51	16×30 : 0.51				14.5×40 : 0.49	16×35 : 0.49	
82				14.5×40 : 0.57	16×35 : 0.57					16×40 : 0.55	18×30 : 0.55
100					16×40 : 0.61	18×30 : 0.61					18×35 : 0.65
120						18×35 : 0.66					18×40 : 0.74
150						18×40 : 0.71					18×45 : 0.80

Please check with us about individual WV, Cap., size and dimensions.

Size φ D×L(mm) ↑
Ripple Current (A r.m.s./120Hz, 105°C) ↑